

2011-08-17 Wednesday Morning Notes

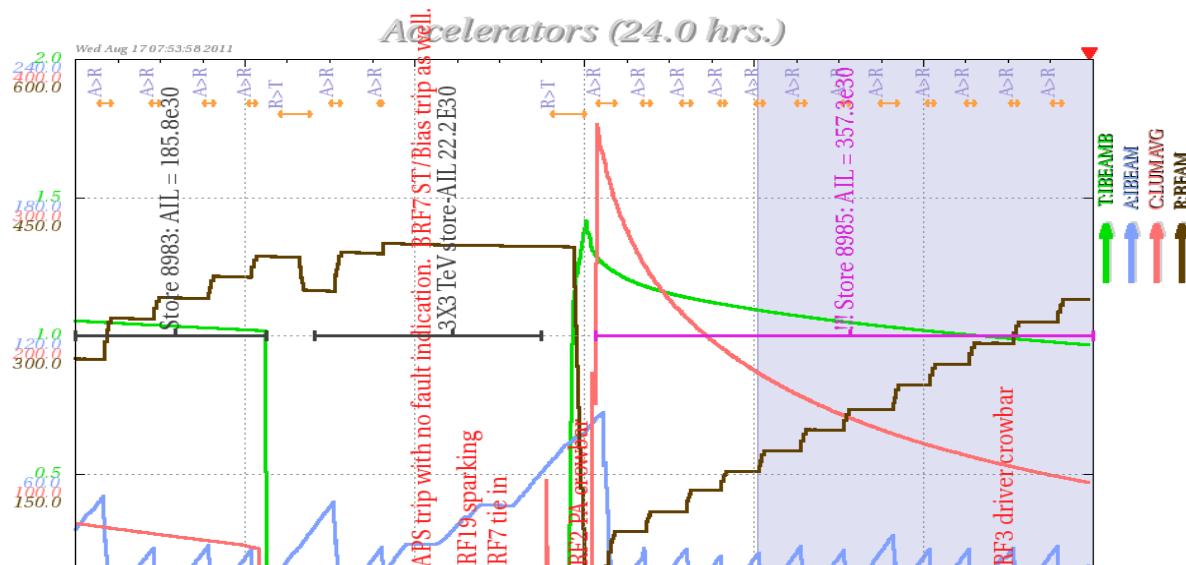
Wednesday, August 17, 2011

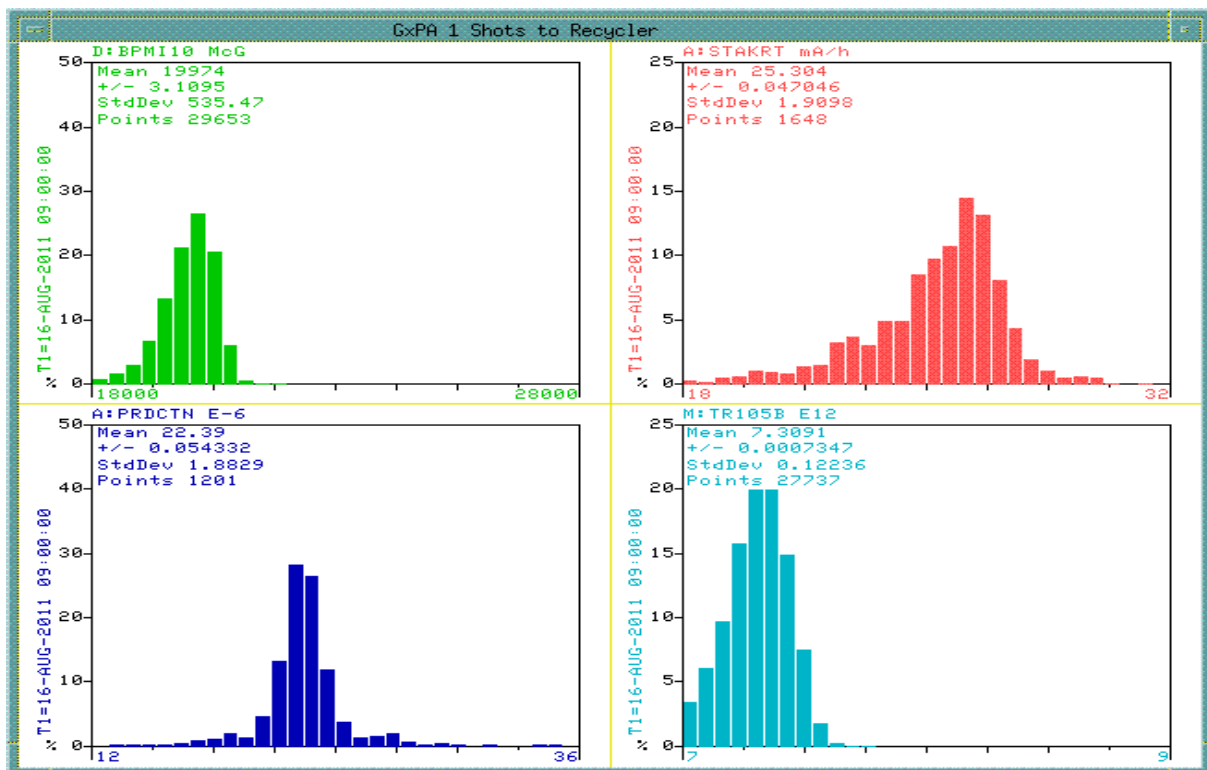
7:52 AM

Numbers

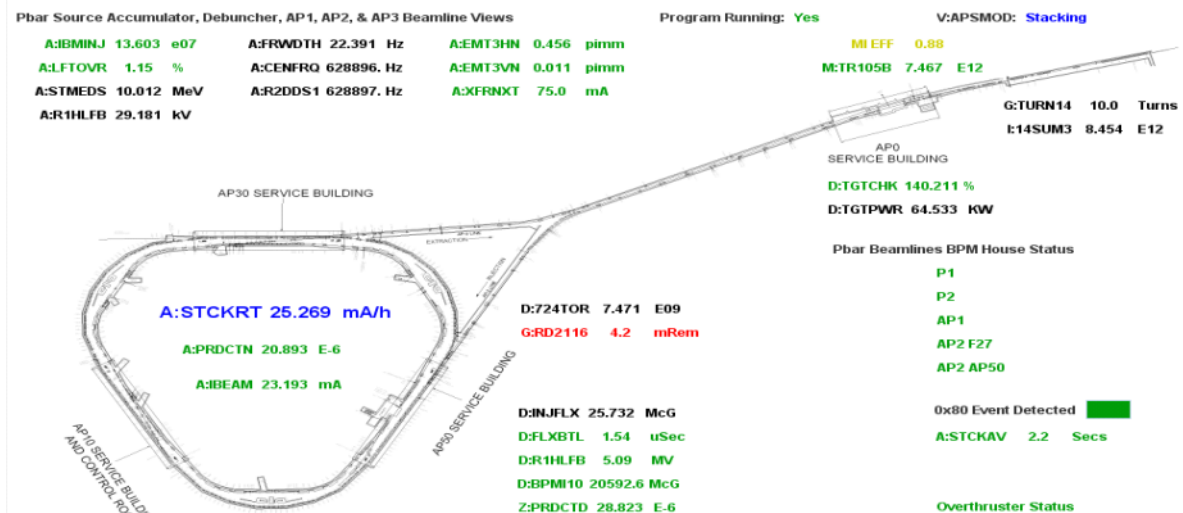
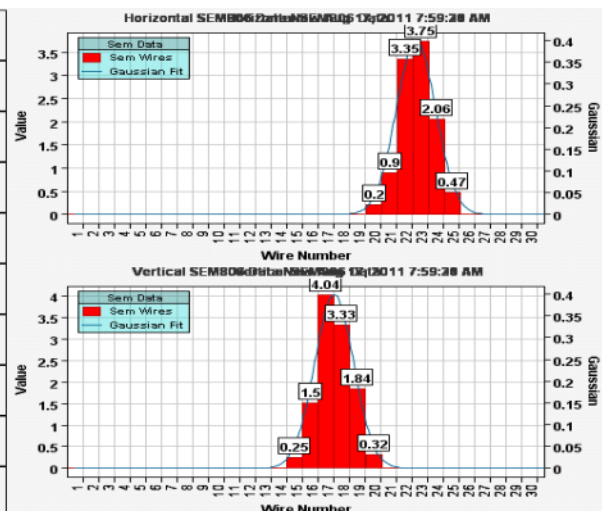
- Stacking
 - Pbars stacked: 510.31 E10
 - Time stacking: 22.74 Hr
 - Average stacking rate: 22.44 E10/Hr
- Uptime
 - Number of pulses while in stacking mode: 35046
 - Number of pulses with beam: 32530
 - Fraction of up pulses was: 92.82%
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 21.10 Hr
 - Possible average stacking rate: 24.18 E10/Hr
 - Could have stacked: 549.78 E10/Hr
- Recycler Transfers
 - Pbars sent to the Recycler: 518.57 E10
 - Number of transfers : 56
 - Number of transfer sets: 18
 - Average Number of transfer per set: 3.11
 - Time taken to shoot including reverse proton tuneup: 00.20 Hr
 - Transfer efficiency: 95.82%
- Other Info
 - Average POT : 7.16 E12
 - Average production: 21.91 pbars/E6 protons

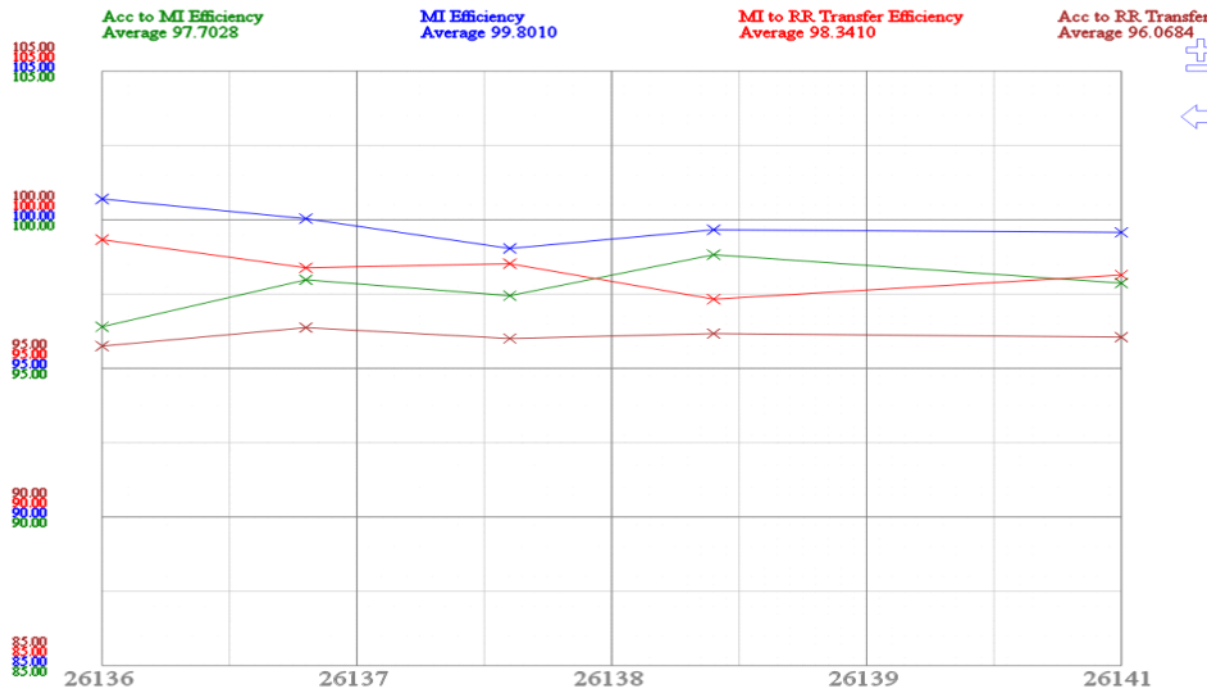
Plots





Horizontal Area New	10.74	Intensity
Horizontal Area Calc	190.39	Intensity
Horizontal Sigma New	3.18	mm
Horizontal Sigma Calc	3.0	mm
Horizontal Mean	23.23	mm
Vertical Area New	11.29	Intensity
Vertical Area Calc	195.2	Intensity
Vertical Sigma New	3.21	mm
Vertical Sigma Calc	3.02	mm
Vertical Mean	7.59	mm





Column 1 Number _0_Pbar Transfer Shot #	Column 4 Number_3 Transfer Time		Column 21 Number _20_A-I BEAMB sampled on \$91 (A-BEA M7), E10	Column 22 Number _21_A-I BEAMB sampled on \$94 (A-BEA M9), E10	Unstacked (mA)	Column 23 Number _22_R-B EAMS (R-BEA ME0(0)) pre fer E10	Column 24 Number _23_R-B EAM (R-BEA ME0(1)) post fer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Trans fers	Sets	Column 5 Number _4_Acc Horizontal Emittan ce	Column 6 Number _5_Acc Vertical Emittan ce	Column 8 Number _7_Acc Longitu dinal Emittan ce
	Totals =>				135.15			129.77	96.02%	97.58%	97.56%	95.20%	14	5	4.6976	0.2095	1.9788
	Daily Average =>				135.15			129.77					14	5			
26141	Tuesday, August 16, 2011	15:14	28.97	16.65	12.32	389.36	401.19	11.83	96.05%	97.87%	97.46%	95.39%	1	1	4.521	0.249	1.967
26139	Tuesday, August 16, 2011	12:08	27.15	5.11	24.44	363.96	387.16	23.53	96.29%	98.48%	98.25%	96.76%	3	1	4.895	-0.64	1.985
26138	Tuesday, August 16, 2011	11:08	29.53	6.29	25.73	340.80	365.23	24.72	96.09%	97.46%	96.16%	93.72%	3	1	4.63	-0.246	1.979
26137	Tuesday, August 16, 2011	9:51	28.57	6.06	25.03	318.65	342.41	24.10	96.29%	98.48%	98.42%	96.92%	3	1	4.357	-0.405	2.011
26136	Tuesday, August 16, 2011	8:40	50.64	6.61	47.63	275.08	320.01	45.57	95.69%	96.63%	97.53%	94.25%	4	1	5.085	0.17	1.952